

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/042556

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07D471/04 A61K31/437 A61P37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/212092 A1 (HEPPNER PHILIP D ET AL) 13 November 2003 (2003-11-13) claim 1; examples 2,3,7-10,23,108,115,116,118,120,122,123,14 6,147	1-18
Y	WERMUTH ET AL: "The Practise of Medicinal Chemistry" PRACTICE OF MEDICINAL CHEMISTRY, 1996, pages 203-237, XP002190259 page 209	1-18
Y	US 2002/173655 A1 (DELLARIA JOSEPH F ET AL) 21 November 2002 (2002-11-21) claim 1	1-18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

8 June 2005

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Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TESTERMAN T L ET AL: "CYTOKINE INDUCTION BY THE IMMUNOMODULATORS IMIQUIMOD AND S-27609" JOURNAL OF LEUKOCYTE BIOLOGY, FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL, US, vol. 58, no. 3, September 1995 (1995-09), pages 365-372, XP002073160 ISSN: 0741-5400 the whole document -----	1-18

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/042556

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2003212092	A1	13-11-2003	US 2003212091 A1	13-11-2003
			US 2004138248 A1	15-07-2004
			US 2004106640 A1	03-06-2004
			AU 3061802 A	18-06-2002
			AU 3248202 A	18-06-2002
			AU 3249702 A	18-06-2002
			AU 3951602 A	18-06-2002
			AU 3951702 A	18-06-2002
			AU 3953002 A	18-06-2002
			BR 0116026 A	21-12-2004
			BR 0116047 A	30-09-2003
			CA 2430844 A1	13-06-2002
			CA 2431151 A1	13-06-2002
			CA 2436846 A1	13-06-2002
			CA 2436980 A1	13-06-2002
			CA 2436983 A1	13-06-2002
			CA 2436984 A1	13-06-2002
			CN 1537111 A	13-10-2004
			CN 1511155 A	07-07-2004
			CN 1479738 A	03-03-2004
			CN 1487939 A	07-04-2004
			CN 1479739 A	03-03-2004
			CZ 20031560 A3	12-05-2004
			CZ 20031561 A3	14-04-2004
			CZ 20031562 A3	17-03-2004
			CZ 20031563 A3	18-02-2004
			CZ 20031591 A3	12-11-2003
			CZ 20031592 A3	14-01-2004
			EE 200300268 A	15-10-2003
			EE 200300270 A	15-10-2003
			EE 200300271 A	15-10-2003
			EE 200300272 A	15-10-2003
			EE 200300274 A	15-10-2003
			EE 200300275 A	15-10-2003
			EP 1341789 A2	10-09-2003
			EP 1341790 A2	10-09-2003
			EP 1341791 A2	10-09-2003
			EP 1339715 A2	03-09-2003
			EP 1341792 A2	10-09-2003
			EP 1343784 A2	17-09-2003
			HR 20030461 A2	30-06-2004
			HR 20030462 A2	30-04-2004
			HR 20030463 A2	30-04-2004
			HR 20030464 A2	30-06-2004
			HR 20030466 A2	30-06-2004
			HR 20030467 A2	30-04-2004
			HU 0400704 A2	28-06-2004
			HU 0400710 A2	28-06-2004
US 2002173655	A1	21-11-2002	AU 2002315009 A1	23-06-2003
			BR 0214750 A	14-09-2004
			CA 2468517 A1	19-06-2003
			EP 1451191 A1	01-09-2004
			HR 20040505 A2	31-12-2004
			JP 2005511747 T	28-04-2005
			WO 03050121 A1	19-06-2003
			US 2003100764 A1	29-05-2003
			US 2004097736 A1	20-05-2004

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/US2004/042556

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002173655 A1			
	US	2004102471 A1	27-05-2004
	AU	3061802 A	18-06-2002
	AU	3248202 A	18-06-2002
	AU	3249702 A	18-06-2002
	AU	3951602 A	18-06-2002
	AU	3951702 A	18-06-2002
	AU	3953002 A	18-06-2002
	BR	0116026 A	21-12-2004
	BR	0116047 A	30-09-2003
	CA	2430844 A1	13-06-2002
	CA	2431151 A1	13-06-2002
	CA	2436846 A1	13-06-2002
	CA	2436980 A1	13-06-2002
	CA	2436983 A1	13-06-2002
	CA	2436984 A1	13-06-2002
	CN	1537111 A	13-10-2004
	CN	1511155 A	07-07-2004
	CN	1479738 A	03-03-2004
	CN	1487939 A	07-04-2004
	CN	1479739 A	03-03-2004
	CZ	20031560 A3	12-05-2004
	CZ	20031561 A3	14-04-2004
	CZ	20031562 A3	17-03-2004
	CZ	20031563 A3	18-02-2004
	CZ	20031591 A3	12-11-2003
	CZ	20031592 A3	14-01-2004
	EE	200300268 A	15-10-2003
	EE	200300270 A	15-10-2003
	EE	200300271 A	15-10-2003
	EE	200300272 A	15-10-2003
	EE	200300274 A	15-10-2003
	EE	200300275 A	15-10-2003
	EP	1341789 A2	10-09-2003
	EP	1341790 A2	10-09-2003
	EP	1341791 A2	10-09-2003
	EP	1339715 A2	03-09-2003
	EP	1341792 A2	10-09-2003
	EP	1343784 A2	17-09-2003
	HR	20030461 A2	30-06-2004